

# भारत का राजपत्र The Gazette of India

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No. 35]

NEW DELHI, SATURDAY, AUGUST 28, 1993 (BHADRA 6, 1915)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके  
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

## भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस  
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PATENTS AND DESIGNS

Calcutta, the 28th August 1993

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1—217 GI/93

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Calcutta-700 020.

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Telegraphic address "PATENTS".

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## पेटेंट कार्यालय

एकत्र तथा अभिकल्प

कलकत्ता, दिनांक 28 अगस्त 1993

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ते में अवस्थित है तथा बम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जॉन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, दोषी इस्टेट,  
तीसरा तल, लोअर परले (पश्चिम),  
बम्बई-400013 ।

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य  
क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा  
दीव एवं दादरा और नगर हवेली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
एकत्र सं. 401 से 405, तीसरा तल,  
नगरपालिका बाजार भवन,  
मरुस्वती मार्ग, करोल बाग,  
नई दिल्ली-110005 ।

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर,  
पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों  
एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय शाखा,  
61, बालाजाह रोड,  
मद्रास-600002 ।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य  
क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप,  
मिन्निकाय तथा एमिनिदिवि द्वीप ।

तार पता—“पेटेंटोफिस”

पेटेंट कार्यालय (प्रधान कार्यालय),  
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय,  
भवन 5, 6 तथा 7वां तल,  
234/4, आचार्य जगदीश बोस रोड,  
कलकत्ता-700020 ।

भारत का अवशेष क्षेत्र ।

तार पता—“पेटेंट्स”

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क :—शुल्कों की अदायगी या तो नकद की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को भुगतान योग्य धनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय अवस्थित है; उस स्थान के अनुसूचित बैंक से नियंत्रक को भुगतान योग्य बैंक ड्राफ्ट अथवा बैंक द्वारा की जा सकती है ।

APPLICATION FOR PATENTS FILED AT THE HEAD  
OFFICE 234/4, ACHARYA JAGADISH ROSE ROAD,  
CALCUTTA-20

The dates shown in the crescent branch are the dates  
claimed under section-135, of the Patents Act, 1970.

13th July 1993

396/Ca1/93. MATRIX TELECOMMUNICATIONS LIMITED,  
“INDIAN-ENGLISH RADIO PAGING  
SYSTEM”. CONVENTION APPLICATION  
No. PL-3444 dated 13/07/92 (AUSTRALIA).

397/Ca1/93. DANIELI & C. OFFICINE MECCANICHE  
SPA, “DESCALING DEVICE EMPLOYING  
WATER”.

398/Ca1/93. LOESCHE GmbH, “PROCESS FOR CRUSH-  
ING RAW LIGNITE”.

399/Ca1/93. ORMAT INDUSTRIES LTD., “RANKINE  
CYCLE POWER PLANT UTILIZING OR-  
GANIC WORKING FLUID”.

400/Ca1/93. EDWARD HSING, HSIEH SHENG-CHENG  
AND DICK CHENG. “ELECTRIC CODE  
LOCK SET FOR TELECOMMUNICATION  
CABINET”.

14th July 1993

401/Ca1/93. PHILLIPS PETROLEUM COMPANY, “A  
PROCESS FOR POLYMERIZING ETHY-  
LENE”.

402/Ca1/93. TORCAN CHEMICAL LTD., “PREPARA-  
TION OF FORM 1 RANITIDINE HYDRO-  
CHLORIDE”.

15th July 1993

403/Ca1/93. CONRAD SCHOLTZ GmbH. “POCKET  
BELT CONVEYOR”.

404/Ca1/93. JEBCO PACKAGING SYSTEMS, INC.,  
“CONTAINER”.

405/Ca1/93. PRECISION VALVE AUSTRALIA PTY. LTD.,  
“TAMPER EVIDENT CLOSURE”. Con-  
vention application Nos. PL-3569, PL-5933 dated  
16/07/92 and 18/11/92 (AUSTRALIA).

16th July 1993

406/Ca1/93. NATIONAL COUNCIL OF SCIENCE MU-  
SEUMS. “SUSPENSION SYSTEM FOR A  
FOUCAULT'S PENDULUM”.

407/Ca1/93. BHAIKAB CHANDRA BHATTACHARYA,  
“ACQUIRED IMMUNE DEFICIENCY SYN-  
DROME (AIDS), VIRUS INFECTION TEST  
KIT”.

## COMPLETE SPECIFICATION ACCEPTED

VILE-PARLE (EAST), BOMBAY 400 057,  
MAHARASHTRA, INDIA.

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## स्वीकृत सम्पूर्ण विनिर्देश

एगद्द्वारा यह सूचना दी जाती है कि सम्बद्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र 14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कभी भी नियंत्रक, एकत्र की उपयुक्त कार्यालय को ऐसे विरोध की सूचना विहित प्रपत्र 15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथा विहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

“प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप हैं।”

स्पाकन (चित्र आरखें) की फोटो प्रतियां यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता अथवा उपयुक्त शाखा कार्यालय द्वारा लिप्यान्तरण प्रभार जिसे उक्त कार्यालय से पत्र व्यवहार द्वारा सुनिश्चित करने के उपरान्त उसकी अदायगी पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरखें कागजों को जोड़कर उसे 2 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रभार 2/- रु. है) फोटो लिप्यान्तरण प्रभार का बरिक्कन किया जा सकता है।

Ind. Cl. : 146 C Gr. [XXXVIII (2)]

172481

Int. Cl. : G 09 B—1/00.

APPARATUS FOR DEMONSTRATING EXISTENCE AND PHYSICAL EFFECTS OF CORIOLIS ACCELERATION/FORCE.

Applicant & Inventor: SHARATCHANDRA DATTATRAYA TASE, J-3, NAV-PARBHAT CO-OP. HOUSING SOCIETY, HANUMAN ROAD,

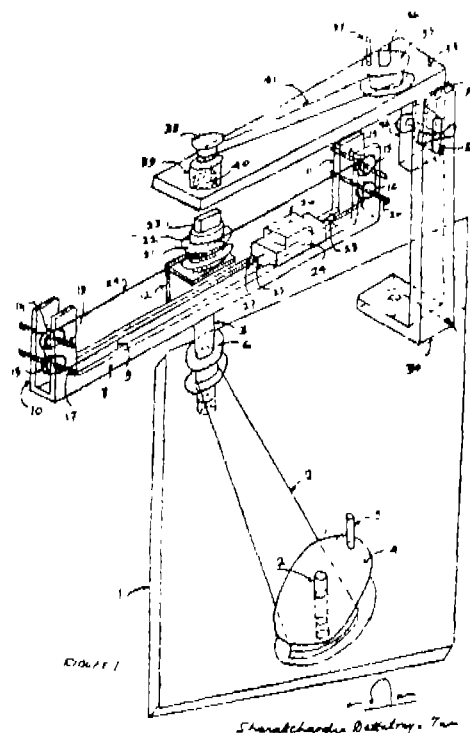
Application No. 36/BOM/1990 filed on 16-2-1990.

Complete after provisional filed on 16-5-91.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

## 2 Claims

An apparatus for demonstrating existence and physical effects of coriolis' acceleration/force, comprising a horizontal flat rigid base plate (1) having two vertical axes (2, 3) rotatably provided in spaced apart relationship on the said plate (1), a pulley (4) having a rigid knob (5) near its rim fixed to the axle (2), another pulley (6) fixed to the axle (3), a closed loop of string (7) wound tightly around the pulleys (4, 6) a horizontally rotatable rigid arm (8) centrally provided at the top of the axle (3) above the pulley (6), a slot (9) provided along the length of the arm (8) in its middle upper part, two U-frames (10, 11) fixed on the arm (8) one at its each end, each of the said U-frames (10, 11) being provided with two pulleys (13, 14) and (15, 16) respectively, an angular bracket (12) being fixed to the arm (8) and provided with a pulley (21) fixed to an axle (22), the said axle (22) being provided with a rigid vertical projection (23) at its top, a rigid block (24) having a central rigid projection (25) at its lower end slidingly engaging in the slot (9) of the said arm (8), a transparent liquid container (26) adopted for being partially filled with a liquid being fixed at the top of the block (24), a pair of Hooks (27, 28) being fixed at the two vertical opposite faces of the block (24), a string (29) having one end tied with the hook (27) and passing over the said pulleys (13, 14, 21, 15, 16) and the free end of the string being tied to the other hook (28), an angular bracket (30) being fixed to the base plate (1) and a vertical slot (31) being provided in the top of its vertical leg, an angular bracket having a vertical flat (32) provide with a vertical slot (34) slidingly connected to the vertical arm of the bracket (30), its horizontal flat (33) being provided with two pulleys (35, 38) the pulley (35) being provided with a rigid knob (37) fixed near its rim, the axle (39) of the pulley (38) being provided with a slot (40) at its lower end for engaging over the projection (23) of the axle (22), another string (41) being wound tightly around the pulleys (35, 38) to form a closed loop.



Prov. Specn. 10 pages, Drgs. Nil

Comp. Specn. 16 pages, Drgs. 2 sheets.

Int. Cl.: 170 D [XLIII (4)]

172482

Int. Cl.: CHD 10/04.

## DETERGENT COMPOSITIONS IN BAR FORM.

Applicants: HINDUSTAN LEVER LTD., 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors: 1. DEVADATTA SHIVAJI SANKHOLKAR & 2. SUNIL MANOHARLAL SAHNI.

Application No. 103/BOM/1990. Filed May 7, 1990, complete after Provisional left on August 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, Bombay-13.

## 11 Claims

A detergent composition, in bar form, comprising: 1 to 20 wt.% synthetic anionic surfactant such as herein described;

5 to 25 wt. % of soap of saturated C16-C20 monocarboxylic acid;

7 to 20 wt. % of C16-C18 saturated monocarboxylic acid; and

20 to 60 wt. % of starch or a starch derivative.

Comp. specification 15 pages, Drawings Nil.

Prov. specification 5 pages; drg. Nil.

Ind. Cl.: 164 A [II(3)]

172483

Int. Cl.: C 02 F—1/42.

## IMPROVEMENTS IN OR RELATING TO ELECTROLYTIC PROCESS FOR WASTE WATER GENERATED IN THE TEXTILE CHEMICAL PROCESSING.

Applicants: AHMEDABAD TEXTILE INDUSTRY'S RESEARCH ASSOCIATION, P.O. POLYTECHNIC AHMEDABAD 380 015, GUJARAT, INDIA.

Inventors:

- (1) BHARAT SIDDHARTH PARIKH,
- (2) SHAILESH RASIKCHANDRA BHATT.
- (3) MILAN SURESHCHANDRA DAVE.

Application No. 161/BOM/1990 filed Jun 19, 1990.

Complete filed: 3-4-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

## 5 Claims

The electrolytic process for treatment of textile effluents comprising holding effluent (electrolyte) in a tank, passing the D.C. current through the sacrificial steel electrodes provided in the tank for a predetermined time to generate in situ highly active  $Fe^{+}$  and  $Fe^{2+}$  ions to act as coagulating agents/ions that react with hydroxide ( $OH^{-}$ ) ions and finally suspended/colloidal dissolved impurities to form flocs, to entrap the said impurities and also remove the colour.

Prov. Specn. 4 pages, Drgs. Nil.

Comp. Specn. 6 pages, Drgs. 3 sheets.

Ind. Cl.: 130 D Gr. [XXXIII (7)]

172484

Int. Cl.: C 22 B—1/02, 47/00.

## A PROCESS FOR THE REDUCTION ROASTING OF MANGANESE ORES AND A BATCHWISE DEVICE THEREFOR.

Applicants: PARAMOUNT SINTERS PRIVATE LIMITED, 9, PUKIRAJ, LAKSHMINAGAR, NAGPUR 440 022, MAHARASHTRA, INDIA.

Inventors:

- (1) SUDHAKAR VINAYAK KOTHARI.
- (2) NILKANTA ANANTHA SUBRAMANIAN.

Application No. 232/BOM/1990 filed on 10th September 1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

## 4 Claims

A process for reduction roasting of manganese ores comprising mixing manganese ore fines upto -6mm size and solid fuel fines upto -6mm size with water to obtain a mixture, in which the solid fuel fines content is 8 to 38% by weight of the manganese ore fines and the water content is 5-10% by weight of the total of the manganese ore fines and solid fuel fines, forming the mixture into a bed, reduction roasting the manganese ores fines by igniting the top surface of the bed in the presence of air and under suction from below until the top surface thereof becomes incandescent and sealing the bed whose top surface has become incandescent against entry of air under continued suction until reduction roasting is over, disintegrating the manganese ores mass and cooling the manganese ores.

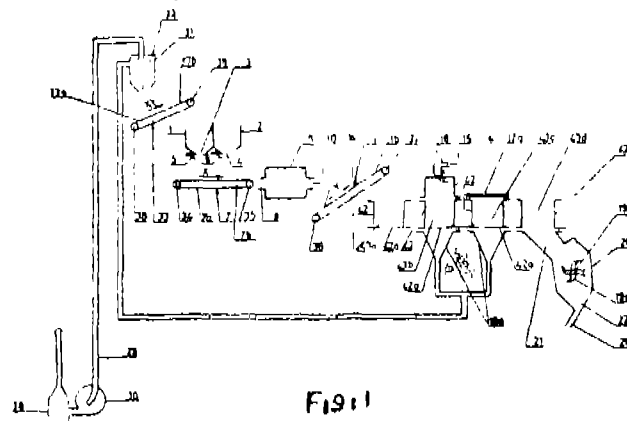


Fig. 1

(Comp. Specn. 24 pages,

Drgs. 2 sheets)

Ind. Cl.: 70B [LVIII (5)]

172485

Int. Cl.: C 25 B—1/08.

## AN INTEGRAL BIPOLAR PLATE FOR USE IN A FILTER-PRESS TYPE HIGH PRESSURE ALKALINE WATER ELECTROLYSER CELL MODULE AND A METHOD OF MANUFACTURING THE SAME.

Applicants: BHABHA ATOMIC RESEARCH CENTRE, TROMBAY, BOMBAY 400 085, MAHARASHTRA, INDIA.

Inventors:

- (1) MADHAVAN GOPALAKRISHNAN NAYAR.
- (2) PADMANABHA RAO RAGUNATHAN &
- (3) SWAPAN KUMAR MITRA.

Application No. 32/BOM/1991 filed Jan 31, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

## 8 Claims

An integral bipolar plate for use in a filter-press type high pressure alkaline water electrolyser cell module consisting of an electric conductor metal sheet provided with a recess at both sides thereof, the space between the periphery each of said recesses and the periphery of said sheet forming a peripheral rim, said recesses being laterally staggered and each being provided with a step at the peripheral wall thereof, the space between the bottom of the respective recess and the electrode to be located in the recess against the respective step forming an electrode chamber, said rim being

provided with a pair of spaced apart electrolyte inflow channels and a pair of spaced apart gas outflow channels there-through, said electrolyte inflow channels being directly opposite to said gas outflow channels, said electrolyte inflow channels being connected to said electrode chambers by a pair of spaced apart electrolyte inflow passages provided through said rim and said gas outflow channels being connected to said electrode chambers by a pair of spaced apart gas outflow passages provided through said rim.

(Comp. Specn. 15 pages,

Drgs. 2 sheets)

Ind. Cl.: 70 B [LVIII (5)]

172486

Int. Cl.: C 25 B-1/08.

AN IMPROVED FILTER-PRESS TYPE HIGH PRESSURE ALKALINE WATER ELECTROLYSER CELL MODULE.

Applicants: BILABHA ATOMIC RESEARCH CENTRE, TROMBAY, BOMBAY-400 085, MAHARASHTRA, INDIA.

Inventors:

- (1) MADHAVAN GOPALAKRISHNAN NAYAR.
- (2) PADMANABHA RAO RAGUNATHAN &
- (3) SWAPAN KUMAR MITRA.

Application No. 33/BOM/1991 Filed Jan 31, 1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, Bombay-13.

## 2 Claims

An improved filter-press type high pressure alkaline water electrolyser cell module consisting of a pair of spaced apart end flanges, one of said end flanges being provided with a pair of spaced apart first electrolyte entry ports therethrough and the other of said end flanges being provided with a pair of spaced apart first gas exit ports therethrough, a pair of half cell units, one of said half cell units being located on said one end flange and insulated therefrom by a first insulator plate interposed therebetween in close contact therewith, said first insulator plate being provided with a pair of spaced apart second electrolyte entry ports therethrough registering with the said first electrolyte entry ports in said one end flange and the other of said half cell units being located on said other end flange and insulated therefrom by a second insulator plate interposed therebetween in close contact therewith, said second insulator plate being provided with a pair of spaced apart second gas exit ports therethrough registering with said first gas exit ports in said other end flange and a plurality of cell units located between said half cell units, said cell units being stacked one over another in series and insulated and isolated from one another and from said half cell units by diaphragm gaskets interposed therebetween in close contact therewith, said end flanges, insulator plates, half cell units, cell units and diaphragm gaskets being held together tightly in close contact by tie rods running through said end flanges over said insulator plates, half cell units, cell units and diaphragm gaskets, said end flanges being loaded and biased by Belleville springs located on said tie rod ends, said half cell units each consisting of a monopolar plate consisting of a first electric conductor metal sheet provided with a first recess on one side thereof, the space between the periphery of said first recess and the periphery of said first sheet forming a first peripheral rim, said first recess being provided with a first step at the peripheral wall thereof, and a first porous electrode located in said first recess against the first step thereof, the space between the bottom of said first recess and said first porous electrode forming a first electrode chamber, said first sheet being further provided with a terminal having a hole formed therein for electrical connection of said monopolar plate to a DC supply, one of said first sheets corresponding to one of said monopolar plates being further provided with a pair of spaced apart first electrolyte inflow channels through the first peripheral rim thereof registering with the second electrolytic entry ports in said first insulator

plate and a first gas outflow channel through the first peripheral rim thereof, one of said first electrolyte inflow channels being connected to the respective first electrode chamber by a first electrolyte inflow passage provided through the first peripheral rim of said one first sheet, said first gas outflow channel being connected to the respective first electrode chamber by a first gas outflow passage provided through the first peripheral rim of said first sheet, the other of said first sheets corresponding to the other of said monopolar plates being provided with a second electrolyte inflow channel and a pair of second gas outflow channels through the first peripheral rim thereof, said second gas outflow channels registering with said second gas exit ports in said second insulator plate, said second electrolyte inflow channel being connected to the respective first electrode chamber by a second electrolyte inflow passage provided through the first peripheral rim of said other first sheet and one of said second gas outflow channels being connected to the respective first electrode chamber by a second gas outflow passage provided through the first peripheral rim of said other first sheet, said cell units each consisting of a bipolar plate consisting of a second electric conductor metal sheet provided with a second recess at both sides thereof, the space between the periphery each of said second recesses and the periphery of said second sheet forming a second peripheral rim, said second recesses being laterally staggered and each being provided with a second step at the peripheral wall thereof and a second porous electrode located in each of said second recess against the respective second step, the space between the bottom of the respective second recess and said second porous electrode on both sides of said bipolar plate forming second electrode chambers, said second sheet being further provided with a pair of spaced apart third electrolyte inflow channels through the second peripheral rim thereof, said third electrolyte inflow channels being connected to said second electrode chambers by a pair of spaced apart third electrolyte inflow passages provided through said second peripheral rim thereof and said third electrolyte inflow channels being connected to said second electrode chambers by a pair of spaced apart third gas outflow passages provided through said second peripheral rim, said first and second porous electrodes each consisting of an electrode metal porous plaque located in between an electric conductor metal inner ring and an electric conductor metal outer ring firmly in close contact therewith, said plaque extending over one side and outer periphery of said inner ring, the edge of said plaque sitting flush with the other side of said inner ring, said outer ring sitting flush with said plaque at both sides thereof, said first and second porous electrodes each being located in the respective first and second recesses against a slotted screen mesh, said first porous electrodes located in said monopolar plates and said second porous electrode located in each of said bipolar plates being of opposite polarity, and said diaphragm gaskets being provided with spaced apart third electrolyte entry port(s) and third gas exit port(s) registering with the first electrolyte inflow channels and first gas outflow channels and second electrolyte inflow channels and second gas outflow channels and third electrolyte inflow channels and third gas outflow channels in the respective said monopolar plates and bipolar plates in contact therewith.

(Comp. Specn. 23 pages,

Drgs. 10 sheets)

Int. Cl.: 49 H [XV]

172487

Int. Cl.: A 47 J—27/00, 45/08.

IMPROVED METALLIC HANDLE ADAPTED TO BE FITTED TO THE BASE VESSEL OF DOMESTIC PRESSURE COOKER AND A PRESSURE COOKER HAVING THE SAME.

Applicant: HAWKINS COOKERS LIMITED F-101, MAKER TOWERS, CUFFE PARADE, BOMBAY-400 005, MAHARASHTRA STATE, INDIA.

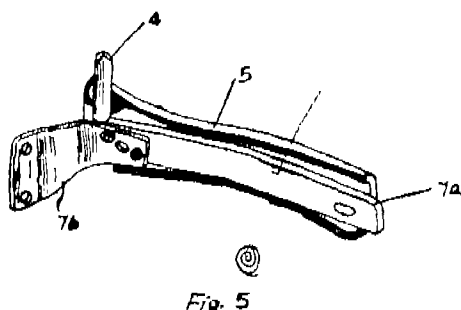
Inventor: NARANAMMALPURAM SHANKARAN SUBRAMANIAN.

Application No. 59/Bom/1991 filed on 4-3-1991.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay-13.

## 7 Claims

An improved metallic handle adapted to be secured to the base vessel of the pressure cooker of the type herein described before, which comprises of two metallic sections, each metallic section comprised of a front section and a long slender rear section, the front section consisting of a pair of brackets made of a metal of poor thermal conductivity compared to the rear slender section and adapted to be secured to the vessel at one end and secured to the long slender rear section at the other end, the rear section having identical contours of top and bottom edge and its end closer to the vessel provided with means for fixing a vertical stud or pivot; the rear section having further provisions for fixing a pair of synthetic grips which have complementary recesses to accommodate the said stud or pivot.



(Comp. Specn. 12 pages;

Drwgs. 4 sheets)

Ind. Cl. : 136 B, E &amp; F, Gr. [XIII]

172488

Int. Cl. : B 29 C—39/00, 65/78.

A METHOD OF CASTING PLASTIC CONTAINER WITH SOLID LIFTING MEANS/HANDLES CAST IN SITU.

Applicant & Inventor: AJAY JAYWANT KOWLEY  
124, KADOLKAR COLONY TALEGAON, DABHADE  
PUNE-411 506, MAHARASHTRA STATE INDIA. A  
SUBJECT OF THE REPUBLIC OF INDIA.

Application No. 64/Bom/1991 Filed on 7th March 1991.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972) Patent Office Branch, Bombay-13.

## 1 Claim

A method of casting plastic container with solid lifting means/handles cast in-situ comprising a two piece mould, the upper mould is for shoulder and neck of the container with cavities to cast the lifting means/handles while the lower mould is for the main body and base of the container, characterised in that initially molten plastic material is injected in the cavities meant for the lifting means/handles, the upper mould, with plastic material already filled in the cavities for the lifting means or handles, is now put over the lower mould and suitably clamped and the entire mould is placed on the roto-cast injection moulding machine, the said mould is filled with requisite quantity of plastic powder having desired colours, the said mould being rotated and suitably heated externally to get the plastic powder material spun and deposited on inside walls of the mould to assume the shape as per the configuration of the mould, releasing the

said mould to get the plastic container with solid handles or the lifting means integrally formed as a part of the container itself.

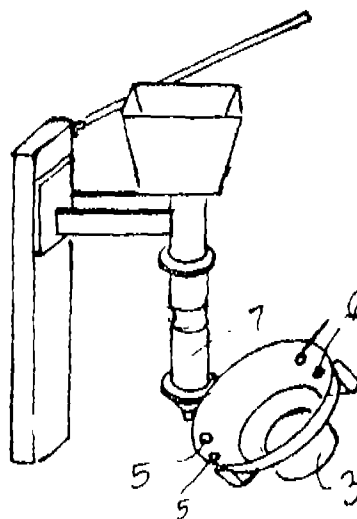


FIG. 1

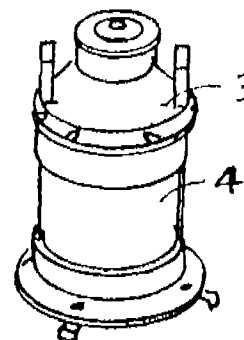


FIG. 4

(Comp. Specn. 5 pages;

Drwgs. 2 sheets)

Ind. Cl. : 6 A<sub>2</sub> Gr. [XLVII (1)]  
98 G, Gr. [VII(2)]

172489

Int. Cl. : F 28 F-1/16.

AN IMPROVED EXPRESSOR FOR DIESEL ELECTRIC LOCOMOTIVE.

KIRLOSKAR PNEUMATIC CO. LTD., HADAPSAR INDUSTRIAL ESTATE, PUNE-411013, MAHARASHTRA STATE, INDIA, AN INDIAN COMPANY, DULY REGISTERED AND INCORPORATED UNDER THE COMPANY'S ACT, 1956.

Inventor: VILASCHANDRA GIRIDHAR LELE and  
BABA SADASHIV UDAWANT.

Application No. 77/BOM/1991, Filed on 19th March 1991.

Appropriate Office for Opposition Proceedings (Rule 4,  
Patents Rules, 1972), Patent Office, Branch, Bombay-13.

## 1 Claim

Improved expressor for diesel electric locomotive comprising a compressor, exhauster, oil pump assembly and inter-cooler assembly, characterised in that the cooling tubes of

the said intercooler are provided with integrally rolled fins for avoiding any air gap between the cooling tube and the fins thereby affording efficient cooling to the expressor.

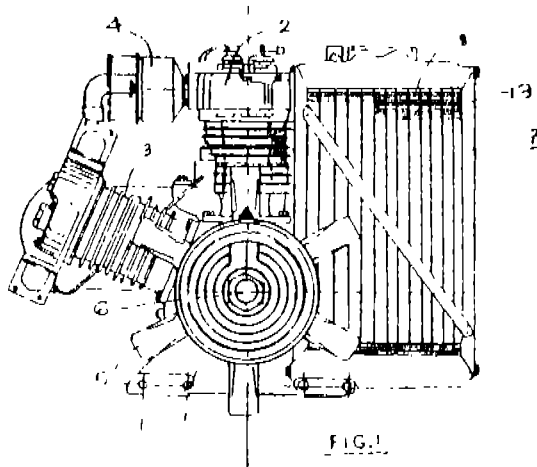


FIG. 1

(Comp. Specn. 4 pages.)

Drawgs. 1 sheet)

Ind. Cl.: 170 D [XLIII(4)]

172490

Int. Cl. C11 D-1/83.

**DETERGENT COMPOSITIONS.**

Applicants: HINDUSTAN LEVER LIMITED, HINDUSTAN LEVER HOUSE, 165/166, BACKBAY RECLAMATION BOMBAY 400 020, MAHARASHTRA, INDIA, A COMPANY INCORPORATED UNDER THE INDIAN COMPANIES ACT, 1913.

1. JEFFERY HARRY CONNOR,
2. ROBERT DONALDSON.
3. DAVID GEORGE EVANS.
4. ANDREW TIMOTHY HIGHT.
5. MICHAEL WILLIAM HOLLINGSWORTH.
6. DONALD PETER.
7. IAN FRANK WHITE.

Application No. 163/BOM/91 filed on 4-6-1991, Priority dated 6-6-1990.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office, Branch, Bombay-13.

**15 Claims**

A particulate detergent composition which comprises:

(a) from 17 to 35 wt% of non-soap detergent-active material consisting essentially of:

(i) from 5 to 35 wt% of an anionic surfactant component consisting of primary alcohol sulphate [10-100 wt% of (i)] optionally together with alkylbenzene sulphonate [0-90 wt% of (i)],

(ii) optionally from 0 to 10 Wt% of nonionic surfactant,

(iii) optionally from 0 to 10 wt% of further anionic surfactant other than primary alcohol sulphate or alkylbenzene sulphonate,

(b) optionally from 0 to 10 wt% of fatty acid soap,

(c) from 25 to 45 wt% (anhydrous basis) of crystalline or amorphous alkali metal aluminosilicate,

(d) from 0 to 10 wt% of sodium carbonate if the anionic surfactant component (a) (i) contains 10-60 wt% of primary alcohol sulphate, from 0 to 20 wt% of sodium carbonate if the anionic surfactant component (a) (i) contains 60-80 wt% primary alcohol sulphate, and from 10 to 20 wt% of sodium carbonate if the anionic surfactant component (a) (i) contains 80-100 wt% primary alcohol sulphate.

(e) optionally other detergent ingredients to 100 wt%.

(Comp. specn. 24 pages,

Dwg. Nil.)

**CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970**

The claim made by LAWSON MARDON GROUP U.K. LIMITED, of 50 Portland Place, London WIN 3DG, England, has been allowed under section 20(1) of the Patents Act, 1970, in respect of Patent application No. 170414.

**PATENT SEALED**

ON 30-07-1993

170482 170483 170581 170585 170606 170607 170608  
170609\* 170618 170831 170832 170833\* 170834 170835  
170837\* 170839\* 170851\* 170852\* 170853 170854\* 170856  
170858 170859\* 171466.

Cal-04, Mas-08, Del-09 &amp; Bom-03.

\*Patent shall be deemed to be endorsed with the words "LICENCE OF RIGHT" Under Section 87 of the Patent Act, 1970 from the date of expiration of three years from the date of sealing.

**D—DRUG PATENT. F—FOOD PATENT.****AMENDMENT PROCEEDINGS UNDER SECTION 57**

Notice is hereby given that IEL Limited, now renamed ICI India Limited, an Indian Company of ICI House, 34 Chawringhee Road, Calcutta-700 071, West Bengal, India, have made an application under Section 57 of the Patents Act, 1970 for amendment of Application & specification of their application for Patent No. 164044 for "Process for the preparation of an improved slurry or water-in-oil emulsion explosive composition and an explosive composition prepared thereby."

The application for amendment and the proposed amendments can be inspected free of charge of Patent Office 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

Notice is hereby given that IEL Limited now renamed ICI India Limited, an Indian Company, of ICI House 34 Chawringhee Road, Calcutta-700 071, West Bengal, India, have made an application under Section 57 of the Patents Act, 1970 for amendment of Application & specification of their application for Patent No. 164474 for "Improved process for the manufacture of thiophth alimide derivatives."

The application for amendment and the proposed amendments can be inspected free of charge of Patent Office 234/4, Acharya Jagadish Bose Road, Calcutta-700 020 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the notice.

The amendment proposed by the Biotechnology Australia Pty. Ltd., a Company incorporated under the laws of the state of New South Wales, of 28 Barcoo Street, Roseville, New South Wales 2069, Australia, and others, in respect of Patent application No. 165453 was advertised in Part III, Section 2, of the Gazette of India on 17-4-93. No opposition being filed within the stipulated period the said amendment has been allowed.

The amendment proposed by INDUSTRIAL PROGRESS INC., a corporation of the State of New Jersey, United States of America, of 614 Highway No. 130, P.O. Box No. 968, East Windsor, New Jersey 08520, United States of America, in respect of patent application No. 171537 (184/BOM/1990) as advertised in Part III, Section 2 of Gazette of India dated 12-12-1992 and no opposition being filed within the stipulated period, the said amendment have been allowed.

The amendments proposed by INDUSTRIAL PROGRESS INC., a corporation of the State of New Jersey, United States of America, of 614 Highway No. 130 P.O. Box No. 968, East Windsor, New Jersey, 08520, United States of America in respect of Patent Application No. 171538 (185/BOM/1990) as advertised in Part III Section 2 of Gazette of India dated 19-12-1992 and no opposition being filed within the stipulated period, the said amendment have been allowed.

#### RENEWAL FEES PAID

149290 151709 152295 152885 152929 152930 153222 153798  
153907 153999 154709 154952 155038 155097 155246 155756  
155761 156195 156340 157142 157938 157977 158201 158507  
158787 159436 159784 159969 159999 160227 160371 160395  
160593 160651 160710 160863 160864 160893 160895 160897  
161111 161148 161184 161432 161441 162410 162942 163033  
163225 163245 163251 163991 164052 164082 164092 164154  
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165138 165180 165262 165357 165622 166307 166309 166331  
166405 166633 166927 166958 167108 167131 167137 167198  
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168156 168179 168182 168290 168601 168669 169012 169165  
169223 169228 169242 169297 169328 169329 169331 169353  
169358 169397 169529 169562 169622 169623 169626 169629  
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169874 169875 169902 169910 169914 169915 169917 169933  
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170134 170135 170136 170140 170196 170242 170310 170596  
170636.

#### CESSATION OF PATENTS

152357 152413 152450 152461 152529 152594 152606 152617  
152621 152636 152653 152655 152658 152702 152706 152708  
152713 152722 152748 152762 152776 152797 152809 152879  
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153346 153381 153390 153414 153426 153448 153467 153468  
153475 153485 153491 153512 153528 153532 153556 153565.

#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 161167 dated the 6th December 1984 made by Kidar Nath Babbar on the 30th October 1992 and notified in the Gazette of India Part III, Section 2, dated the 19th December 1992 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration for Patent No. 166775 dated the 24th June 1986 made by Societe Chimique Des Charbonnages S.A. on the 1st June 1992 and notified in the Gazette of India Part III, Section 2, dated the 29th August 1992 has been allowed and the said Patent restored.

Notice is hereby given that an application for restoration of Patent No. 168682 dated the 13th October 1986 made by IMC Fertilizer, Inc., on the 4th January 1993 and notified in the Gazette of India, Part III, Section 2, dated the 27th March 1993 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 165268 dated the 6th August 1985, made by Sree Chitra Tirunal Institute for Medical Science & Technology on the 4th August 1992 and notified in the Gazette of India, Part III, Section 2, dated the 17th October 1992 has been allowed and the said patent restored.

Notice is hereby given that an application for restoration of Patent No. 158414 dated the 8th August 1983 made by Sree Chitra Tirunal Institute for Medical Science & Technology on the 4th August 1992 and notified in the Gazette of India Part III, Section 2, dated the 17th October 1992 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGN

The following designs have been registered. They are not open to inspection for a period of two years, from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of the registration of the designs included in the entry.

Class 1. No. 164707. Bhagyoday Iron Works, 4th Kumbharwada St., 26, First Pathan St., Bombay-400004, Maharashtra, India. "Clamp for lock". August 26, 1992.

Class 1. No. 164870. Surya Morphy Richards Ltd. of 1118, Maker Chambers, V. Nariman Point, Bombay-400021, Maharashtra, India, October 7, 1992.

Class 1. No. 164875. Lotex Auto Industries of G. T. Road, (Opp. Pathak Machine Tools), Dhanddari Kalan, Ludhiana, Punjab, India, Indian Co. "Cycle Pedal Crank". October 9, 1992.

Class 1. No. 164895. Italik Metalware Pvt. Ltd., "Kilk" near Nutan Press, Sadar, Post Box No. 333, Rajkot-360001, Gujarat, India. "Handle", October 15, 1992.

Class 1. No. 165037. Surendra Himantlal Shah, Indian of 15-B, Thacker Industrial Estate, N. M. Joshi Marg, Bombay-400011, Maharashtra, India. "Air-conditioner". November 26, 1992.

Class: 1. No. 165142. Peico Electronics & Electrical Ltd. of Shivsagar Estate, Block 'A', Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra, India, Indian Company. "Integral well glass luminaire". December 28, 1992.

Class 1. No. 165143. —do—. "Non-Integral Well Glass Luminaire". December 28, 1992.

Class 1. No. 165222. Khaitan (India) Ltd., Indian Company of 46C, J. I. Nehru Road, Calcutta-700001, W.B., India. "Electric Table Fan". January 29, 1993.

Class 8. Nos. 165236 & 165237. Suresh Chand Umesh Chand, Natwa, Mirzapur-231001, U.P., India, Indian Partnership Firm. "Carpet". January 29, 1993.

R. A. ACHARYA

Controller General of Patents Designs & Trade Marks